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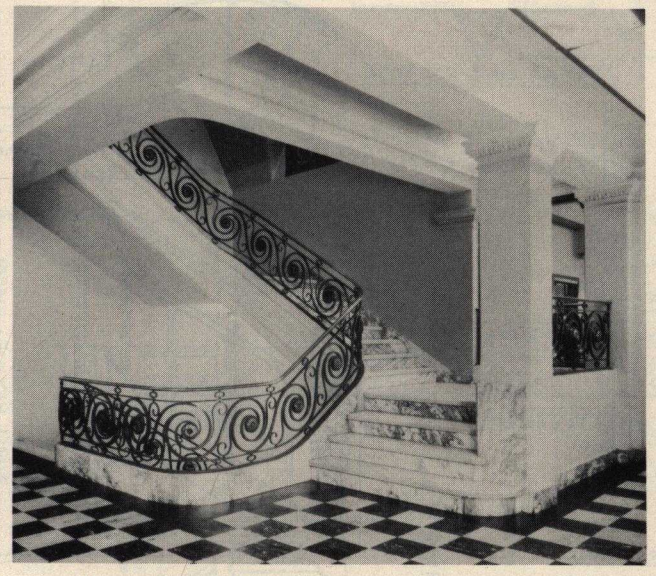
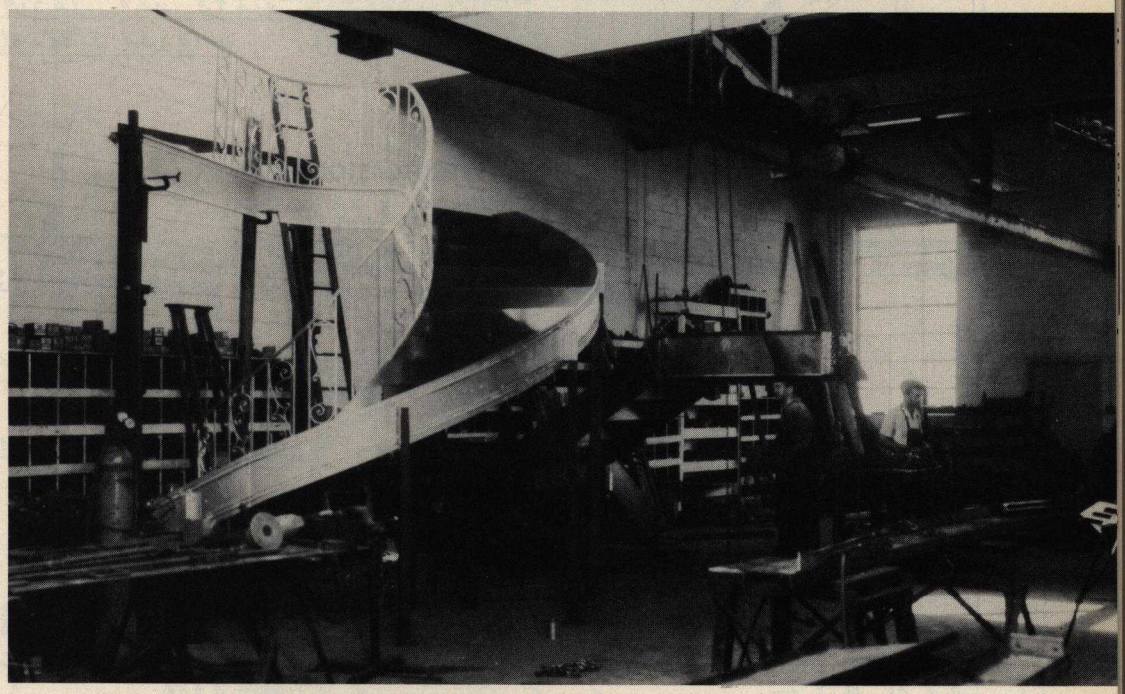
CENTRAL WIRE AND IRON WORKS

ESTABLISHED 1907

steel stairs • fire escapes
miscellaneous and
ornamental iron



The main stairs illustrated directly above and below* are marble on a sub-structure of steel angles and plate stringers, a wrought iron scroll railing without newels or ramps makes a continuous hand railing of the same height throughout.



*F. W. Woolworth Company
3663 Lindell Boulevard,
St. Louis, Missouri.
Architects: Thos. P. Barnett Co.
Contractors:
Wm. H & Nelson Cunliff Co.

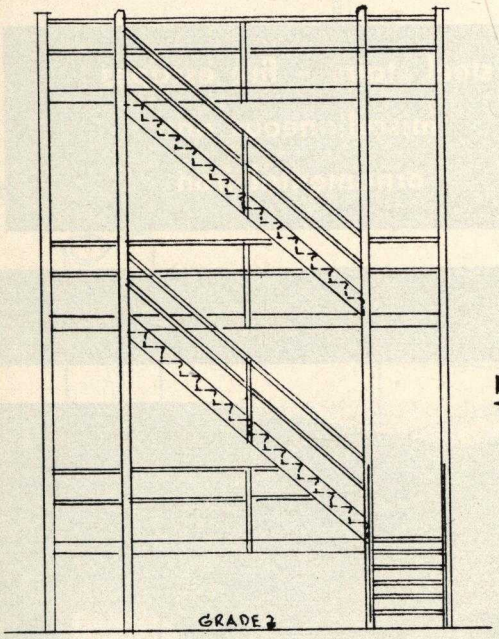
OUTSTANDING FEATURES OF OUR STAIRS:

1. All our Stairs are set up in our Plant to insure proper fitting in the Building. (see photo above) Stairs and Railings are taken down in Sections and properly marked as shown on our Shop Drawings.

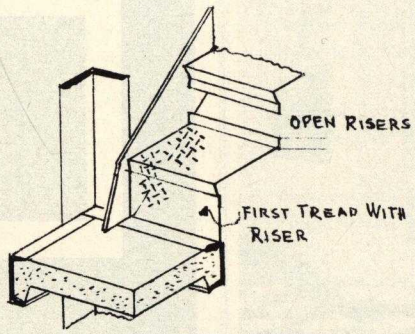
2. Stairs and Platforms are shipped in Sections for faster and easier outside Erection.

CENTRAL WIRE & IRON WORKS, INC.
744 - 752 S. 4th Street, St. Louis 2, Mo.

EXAMPLES OF DIFFERENT TYPES of STAIR CONSTRUCTION

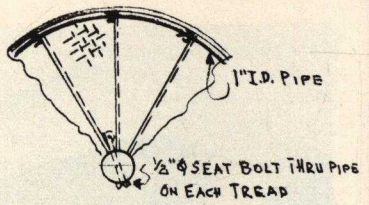


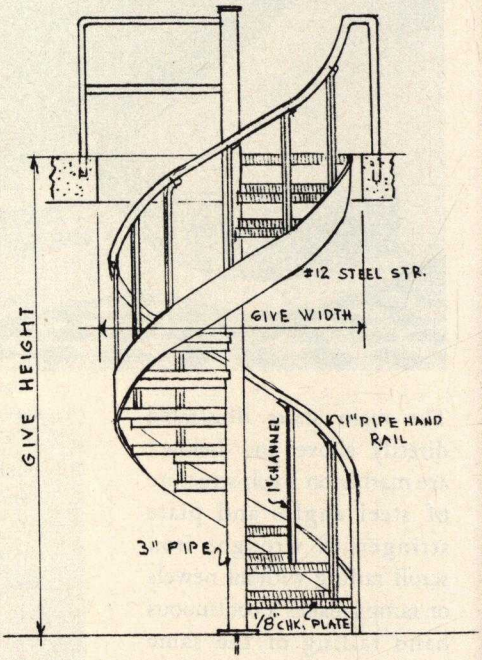
EXTERIOR APARTMENT STAIRS



CONSTRUCTION DETAIL

PLATFORM CONCRETE SLAB IN [FRAME
TREADS 1/8" CHECK. RIB S.

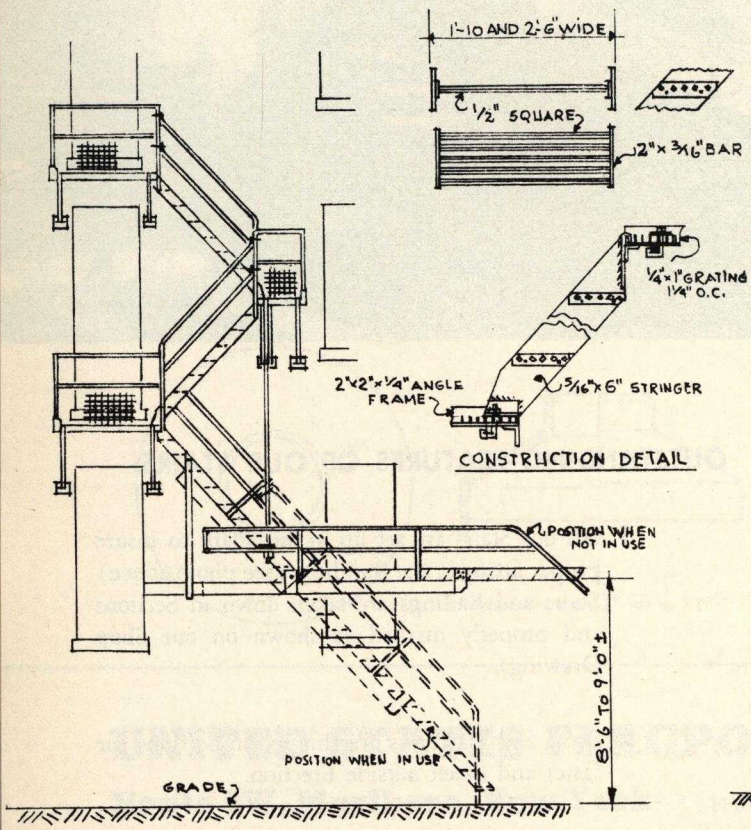




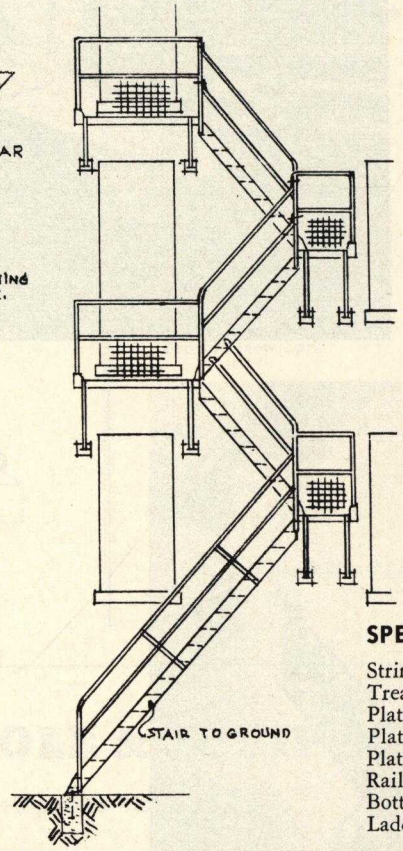
SPIRAL STAIR

SPECIFICATIONS

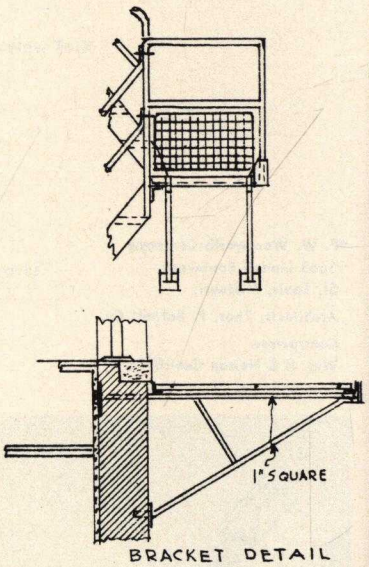
Stringers ¼" x 8" flat plates
Treads ⅛" check plates
Railing 1¼" pipe
Platform framing 6" channels
Platform supports 4" x 4" x ⅜" angles



EXTERIOR COUNTERBALANCED FIRE-ESCAPE



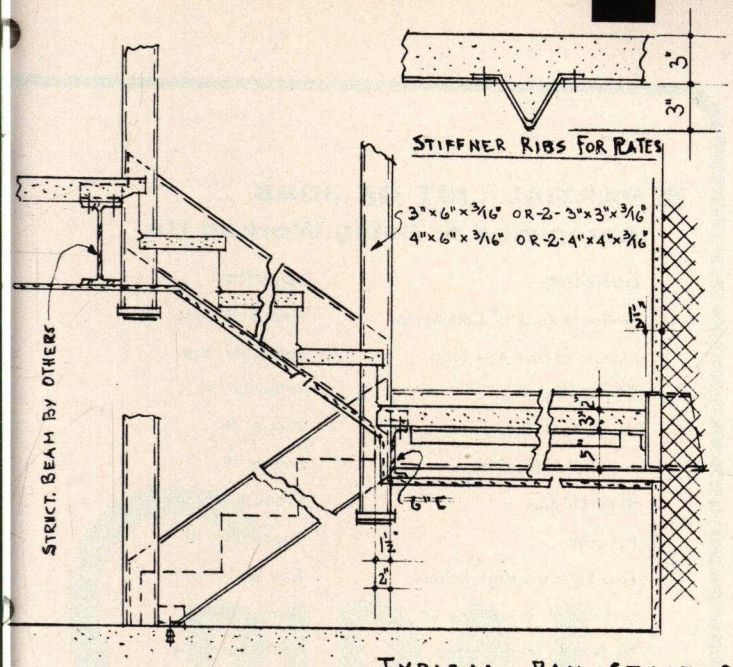
EXTERIOR FIRE ESCAPE DOWN TO GRADE

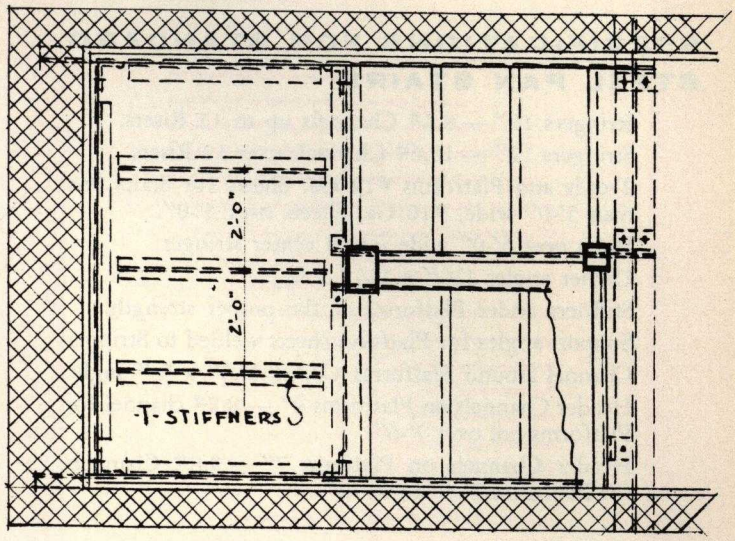


BRACKET DETAIL

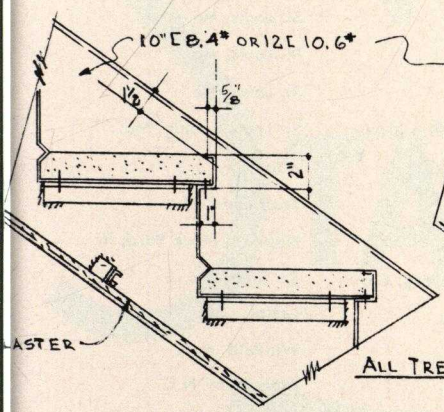
SPECIFICATIONS

Stringers 5/16" x 6" flat plates
Treads ½" Sq. set on edge.
Platform frame 2" x 2" x ¼" angle
Platform grating 1" x ¼", 1¼" o.c.
Platform brackets 1" Sq. bolt thru wall
Railing 1" inside diameter pipe
Bottom stair counterbalanced
Ladder to roof where required

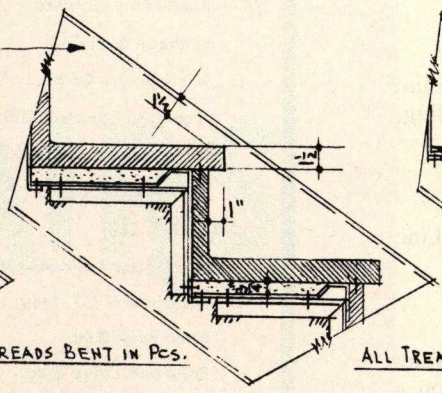




TYPICAL PAN STAIR CONSTRUCTION
WITH WALL BEARING (STAIRS MAY BE HUNG FROM STRUCTURAL OR CONC. BEAMS)

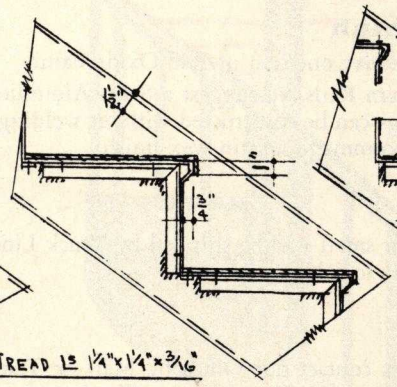


STANDARD PAN STAIR DETAIL
FOR CONC. OR TERRAZZO FILL



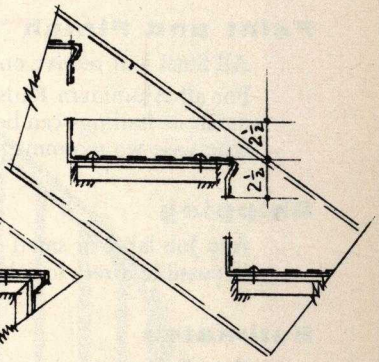
ALL TREADS BENT IN PCS.

PRE CAST TERRAZZO TREADS & RISERS
ON #12 GA. SHEET

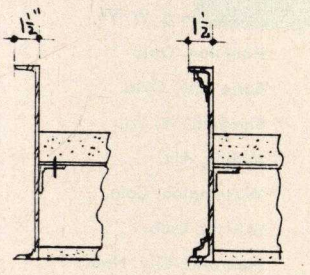


ALL TREAD IS 1¼"x1¼"x3/16"

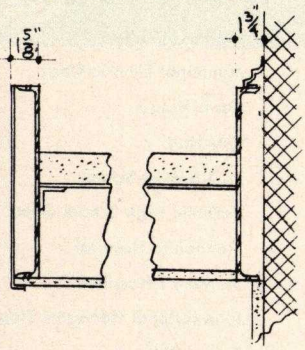
¼" RUBBER TREAD & NOSING
ON #10GA. SHEET



4-WAY SAFETY PLATE TREADS
⅛" OR 3/16" THICK

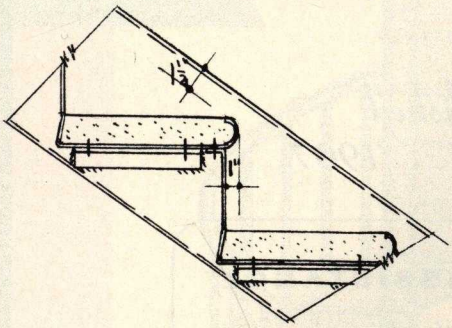


FACE STRINGERS WITH
OR WITHOUT MOLDINGS

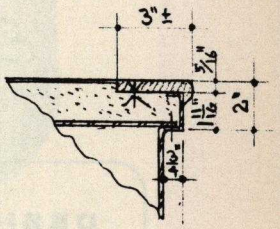


FACE STRINGER
WITH ⅛" COVER PL.

WALL STRINGER WITH
OR WITHOUT MOLDING



PAN STAIR WITH ROUND
NOSING & RISER BENT FOR CONC.



TREAD WITH SAFETY
NOSING

Typical Pan Stair is constructed to carry a Live Load of 100# per square foot.

Standard Pan Tread has Sanitary Groove on Tread Level, which will hold concrete fill in pan.

Pans for Pre-cast or Marble Treads will be bent down about ¾" for Mortar Bed, to prevent breaking of Marble or Pre-Cast Treads.

Pans for ¼" Rubber Treads are made so Stair can be used during Construction of Building, this Stair is very economical because there isn't any concrete fill required.

The 4-Way Safety Treads are mostly used on outside or Factory Stairs.

Face Stringers with cover plates will be bent about ¾" below channel to support plaster.

Safety Nosings can be furnished for all Pan Type Stairs in Ferrogrit or Alumogrit.

SPECIFICATIONS FOR STANDARD STEEL PAN STAIRS

Stringers 10″ — 8.4# Channels up to 12 Risers.
Stringers 12″ — 10.6# Channels over 12 Risers.
Treads and Platforms #12 Ga. Sheets for Stairs less than 5′-0″ wide, #10 Ga. Sheets over 5′-0″.
Stairs over 5′-0″ wide install center stringer.
Carrier angles 1¼″ x 1¼″ x 3/16″.
Stiffners under Platforms of the proper strength.
Support angles for Platform sheets welded to Stringer
Channel around Platforms 1½″ x 1½″ x 3/16″ angle.
Header Channels on Platforms 6″ — 8.2# channel for Platforms not over 7′-6″.
Header Channels on Platform 7″ — 9.8# Channels for Platforms 7′-6″ to 10′-0″.

Railings

Railings can be made with or without Newel Posts.
Railings for Stairs can be furnished in any Design or Specifications by the Architect in Steel or Aluminum.

Paint and Finish

All Steel will receive one coat of Red Oxide Paint.
For all Aluminum Rails we suggest a Satin Alumilite finish, if Railings can be constructed without welding, otherwise we recommend a satin wax finish.

Shipping

Any Job large or small will be shipped by Truck Line if possible direct to job.

Estimates

For all Inquiries contact our Office by Mail or Telephone. Our Estimating Department will give you a price within two to three Days after receipt of Inquiry. Our price is a firm price which includes furnishing all Shop and Erection Drawings, also Shipping to Job.

Established 1907

DESIGN ASSISTANCE

When in need of Advice please feel free to consult us, as we have over fifty years of experience under the same Management in this line.

PARTIAL LIST OF JOBS Completed or Being Worked On

Building	Location
National Bank of Commerce	Pine Bluff, Ark.
Chapel & Fine Arts Bldg.	Batesville, Ark.
Carling Brewing Co.	Belleville, Ill.
W. M. B. D. Broadcasting Co.	Peoria, Ill.
Methodist Hospital	Peoria, Ill.
Shell Oil Co.	Wood River, Ill.
Pet Milk	Greenville, Ill.
East St. Louis High School	East St. Louis, Ill.
Illinois Bell Telephone Co.	Peoria, Ill.
St. Jerome High School	Fancy Farm, Ky.
Country Day School	St. Louis, Mo.
Clayton High School	Clayton, Mo.
Biederman Furniture	St. Louis, Mo.
Peabody Coal Co.	St. Louis, Mo.
F. W. Dodge Corp.	St. Louis, Mo.
Monsanto Chemical Office Bldg.	St. Louis County, Mo.
Alton Memorial Hospital	Alton, Ill.
Scott Air Force Base	Scott Field, Ill.
Swift & Co.	National Stock Yard, Ill.
The Procter & Gamble Mfg. Co.	St. Louis, Mo.
American T. & T. Bldg.	Lamar, Colo.
State Bank Bldg.	Winfield, Kan.
Bank and Office Bldg.	High Point. N.C.
First Nat'l Bank Bldg.	Somerset, Pa.
Brown Paper Mills	West Monroe, La.
Woodworth Dept. Store	Nashville, Tenn.
Market St. Store	Parkersburg, W. Va.
Municipal Electric Bldg.	Hamilton, Ohio
Court House	Boise City, Okla.
City Hall	Bluefield, W. Va.
First Baptist School	Mobile, Ala.
Catholic High School Gym.	Washington, Colo.
Mennonite Hospital	LaJunta, Colo.
St. Mary's Hospital	Nebraska City, Nebr.
International Harvester Bldg.	Fort Dodge, Iowa
School Bldg.	Marshalltown, Iowa
Louisiana U. Gym & Armory	Baton Rouge, La.
School for Deaf & Blind	Institute, W. Va.
Knights of Columbus	Louisville, Ky.
Union Labor Temple	Louisville, Ky.
Masonic Temple	Port Arthur, Texas

CENTRAL WIRE & IRON WORKS, INC.
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